

# ABSTRACT

An optical position transducer is arranged to determine the relative position of two objects. The position transducer includes a scale and a scanning device that is movable in relation thereto. On sides of the scanning device, signal-generating device(s) are provided for generating positionally dependent scanning signals, among which at least one is a deflector element for selectively influencing a light beam's propagation direction. Positioned on sides of the scanning device are adjustment device(s) for spatially adjusting the deflector element, the adjustment device(s) arranged to enable merely one spatial alignment of the at least one deflector element.